

ABSTRACT

An air compressor unit having an enclosure that permits adequate cooling air flow, and reduces the amount of noise that emanates from the air compressor unit. The enclosure has a partition that separates the interior of the enclosure into two compartments: a discharge compartment and a component compartment. A discharge aperture is in fluid flow communication with the discharge compartment. A compressor and motor are contained in the component compartment. The component compartment may be separated in a first compartment and a second compartment. Inlets allow cooling air to enter the enclosure, and a discharge aperture permits the cooling air to exit the enclosure. A blower draws cooling air into the enclosure through the inlets. An aftercooler is located between the compressor and the discharge aperture. The enclosure and compartments are configured to reduce the amount of direct "line of sight" noise that emanates from the air compressor unit.